

Abstract

In order to provide a battery charging state arithmetic operation device which can judge a charging state of a battery currently being used easily and in a short time, there are provided battery voltage calculation means 6 with specified load for calculating a first and a second battery voltages when a battery current is at a specified load current value from a first I-V characteristic of the battery which is in a first state as a currently used state and is stored in first I-V characteristic storage means 3 and a second I-V characteristic which is in a second state where the amount of remaining energy is small and is stored in second I-V characteristic storage means 4, and SOC arithmetic operation means 7 for calculating an SOC (charging state) of the battery in the first state by using the first and the second battery voltages calculated.